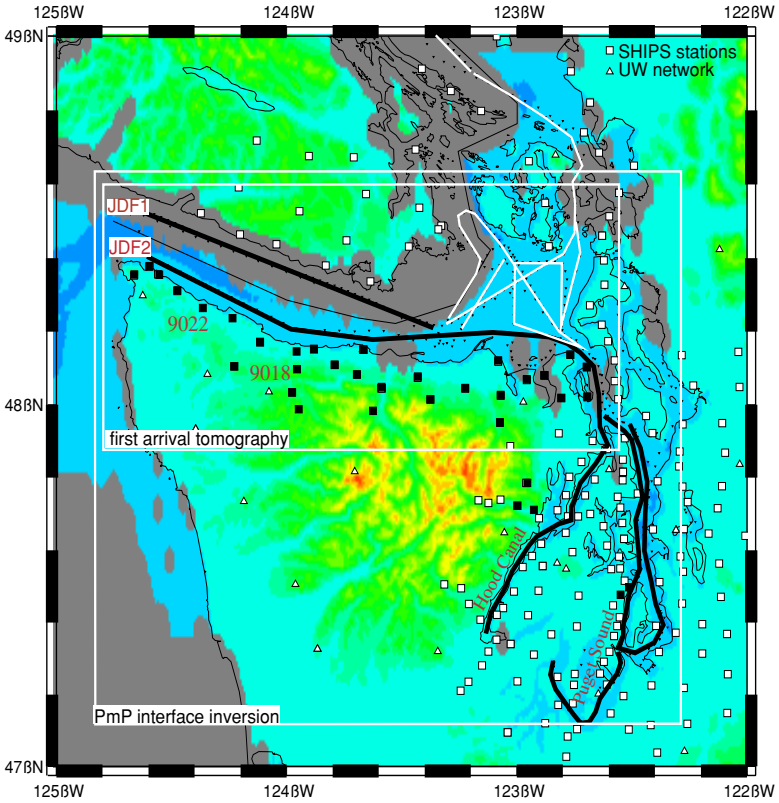

Figure 1. Topographic map of the Olympic Peninsula and Puget Basin showing the locations of MCS profiles (lines), temporary REFTEK seismometers (squares) and UW network stations (triangles). Lines and REFTEKS used to date in our analysis are shown in black. The boxes show the regions included in the first-arrival and wide-angle tomography presented here. These regions overlap and complement analyses done by other participants in SHIPS. Stations for which data are shown in figures 2 and 3 are labeled.

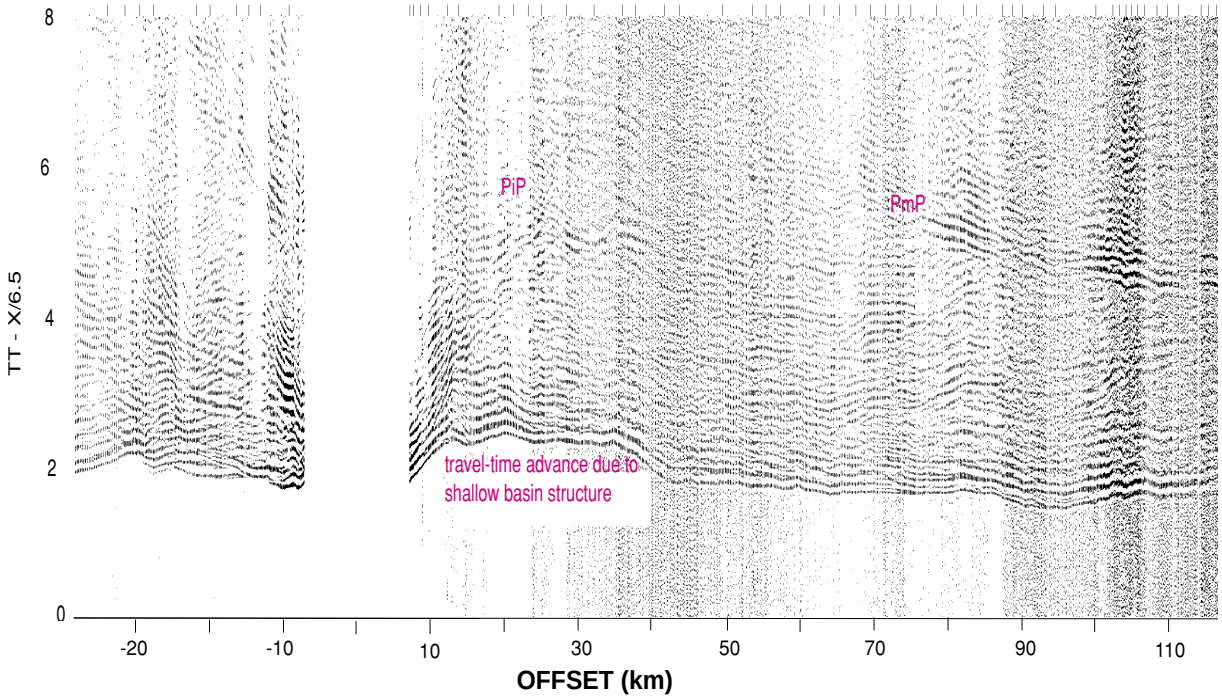

Figure 2. Data from JDF2 recorded at stations 9022. Note wide-angle reflection interpreted as PmP, shallow reflections at nearer offset (PiP), and a 0.5 s travel time delay due to the Clallum basin.

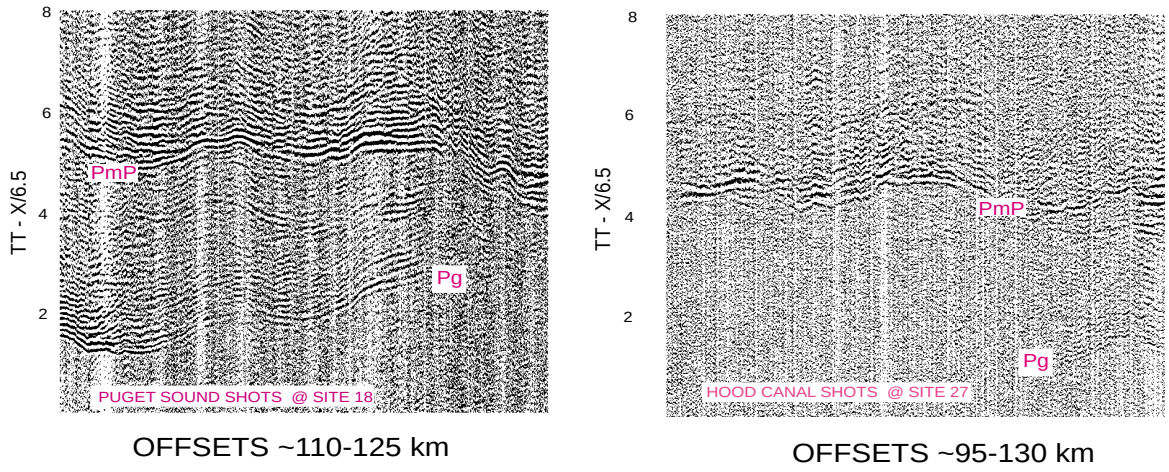

Figure 3. Examples of record sections recorded on the northern Olympic Peninsula from shots in Puget Sound and Hood Canal. Note the strong amplitude of secondary arrivals. Comparison of the travel-time and offset of these arrivals with the arrival interpreted as PmP in figure 2 suggests that these are also PmP.

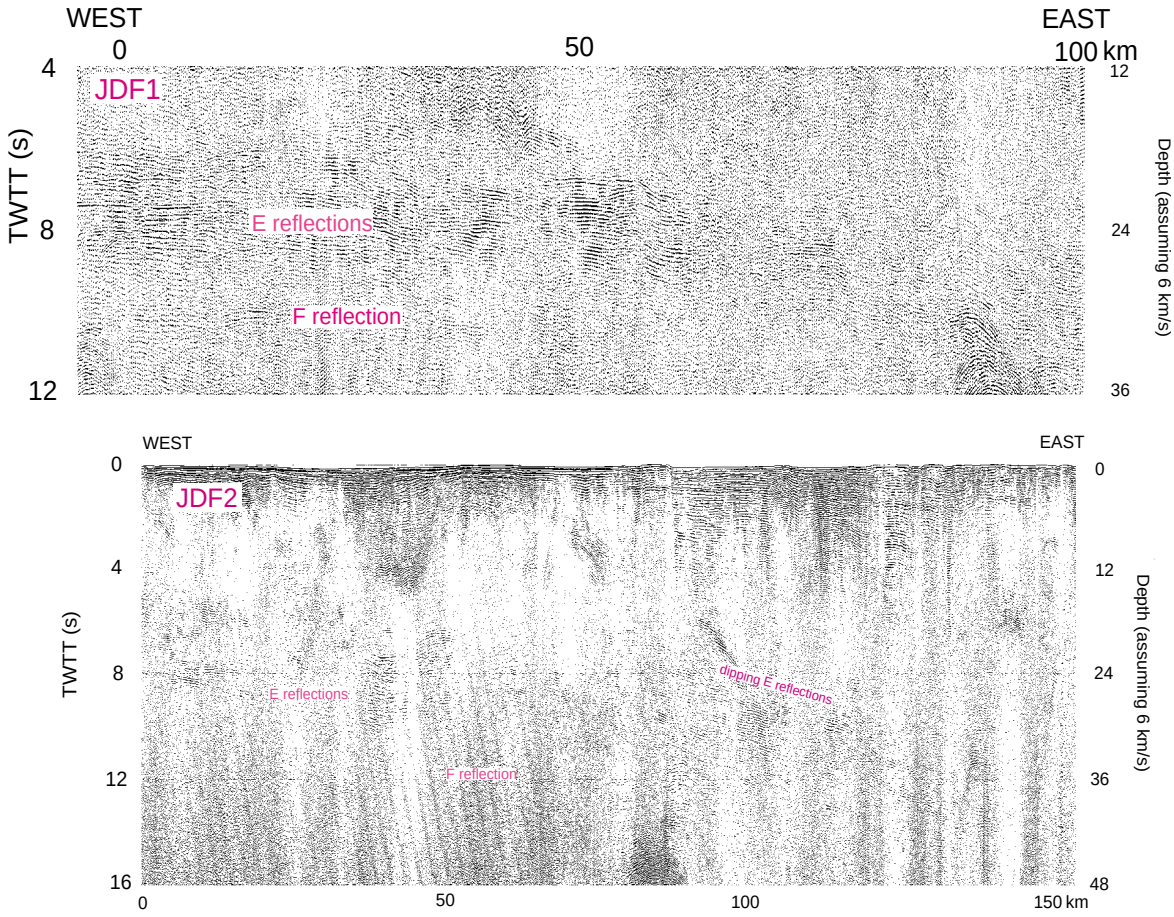

Figure 4. Multichannel seismic lines JDF1 and JDF2 (brute stacks), showing lower crustal reflectivity.